User Manual

prone, supine and upright stander

BS 200/BS 300

ato form ...lust for life® gmbh

Standing Aids

edition 13/13

Dear Customer!

We would like to thank you for your trust extended to us and for purchasing our product.

The prone, supine and upright stander **BS 200 / BS 300** distinguishes itself by its quality, security, easy operation and modern design.
For optimal use of this aid, we ask you and other possible users to carefully read this operating manual.

Please read this user manual carefully before first use and handle equipment appropriately!

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Safety instructions

The prone, supine and upright stander BS 200 / BS 300 is labeled with the CE mark and complies with the requirements of Directive 93/42/EWG. It was developed in line with most recent findings. Production is subject to an on-going quality control.

It was developed in accordance to the newest insights. The manufacturing process is subject to constant quality control.

Please read this user manual carefully before operating the prone, supine and upright stander.

The user manual is an integral part of the prone, supine and upright stander. In case of loss, request a new copy. Please keep the user manual in a safe place, accessible to care and maintenance staff.

The user manual does not replace the experience of supervisory staff. In the event of specific or difficult applications, the user manual represents a guide to the most important handling, with the experience and knowledge of operators, which they gained from (for example) training courses.

Ensure all users of this aid understand its handling and the meaning of the symbols attached to the device.

Accidents can be prevented when technical instructions according to the EWG guidelines are followed.

Protective coverings and labels may not be removed.

The prone, supine and upright stander should only be used on even surfaces.

Never use the BS on rough terrain, steeply sloping ground or stairs.

Regular monitoring at your specialist dealer (at least once a year) lengthens the life time of the prone, supine and upright stander BS and gives you security.

Important Warnings

When using a prone, supine and upright stander the center of gravity is always relatively high up.

A person using a prone, supine and upright stander is always dependent on the stability of the device, from the supporting points against the body and support area to the floor. Our main objective was to develop a device, which satisfies the demands of many medical indications. Nevertheless, a prone, supine and upright stander cannot be used without exception in all situations. The application and utilization should always be followed through with sense and reason.

- Before using the prone, supine and upright stander BS, carefully read all instructions of this user manual, as these have been drawn up for your safety and as a guideline for the correct use and care of this product. This operating manual is an indispensable component of the delivery and should be stored carefully for further use.
- The operating manual is intended for retailers and users of the prone, supine and upright stander BS, it contains the required information to secure the correct use of the product, cannot not however, replace the necessary experience of the user or assistant in handling the device.
- The reseller has the duty to deliver the device ready for operation and to explain precisely the functions and technical data of the device, as well as the necessary support and briefing needed for a correct and efficient use of the device.
- The given instructions of the operating manual refer to the point in time of the device being placed on the market. The manufacturer reserves the right to introduce any modifications that prove necessary to the device and associated operating manual, without being bound to change previous devices and associated operating manuals.
- The prone, supine and upright stander BS may only be operated with continues presence of a qualified person, respectively a family member of the user.
- The BS may only be used by persons of a suitable stature and physical aptitude.
- The BS is only intended for use inside buildings.
- The BS may only be operated by persons who have familiarized themselves with the standards and rules of the present operating manual.
- Never place a patient in a standing aid, which is not coordinated with his or hers body height and weight.
- Do not place any hot containers or objects on the therapy table, as hereby the wood or coating could be seriously damaged.
- Do not place any heavy objects on the standing aid (for example on the table), as it would affect the center of gravity and consequently impair the balance.
- Do not operate or take any action if unsure of its effects; if in doubt please contact the nearest technical service center or manufacturer.

- Always ensure there are no obstacles in operating range of the BS, such as carpets, stairs or objects on the floor, which could lead to the BS overturning.
- Move all objects out of the way, which could be hit or fall whilst operating the prone, supine and upright stander BS.
- The use of the prone, supine and upright stander BS and its auxiliary equipment must be administered under medical supervision.
- Never use the BS on rough terrain, steeply sloping ground or stairs.
- Never leave the user of the BS unattended with the device.
- Do not use the BS before locking the wheels of the standing aid.
- Do not use the prone, supine and upright stander BS without ensuring a correct mounting of the safety belts.
- Never place the prone, supine and upright stander BS on steep grades.
- Do not use the device if any parts are damaged or missing.
- In case of malfunction or accident contact the reseller from whom you purchased the device from. Control before every use, that all adjustable parts are always locked.
- Check regularly if all screws and handles etc. are tightly fastened. Worn and defect parts are to be repaired or replaced immediately. This is especially important to ensure a safe use of the aid! Carefully check for a firm hold of the clamping jigs and the like.
- Adjust settings only in the unloaded condition.
- Be careful when moving the standing aid, whilst a patient is standing in the device. This is particularly applicable when crossing ramps, thresholds and similar. Never allow persons not familiar to operate the standing aid respectively those who have not read this operating manual.
- Always demand original spare parts.
- In case of an accident contact the manufacturer for a speedy investigation.
- The manufacturer can accept no responsibility for damages, caused by unsuitable and incorrect application of the device by the user, neglected maintenance, unauthorized alterations and modifications, the use of non-original spare parts, unpredictable and exceptional events or from non-observance of the instructions of this operating manual.
- The manufacturer bears no responsibility for damages caused to persons, objects or animals in the following cases:

– Incorrect use of the aid
– Use of the device by non-suitable persons
– Incorrect mounting of parts or accessories
– Use of non-original spare parts
– Non-observance of the given instructions in this operating manual
– Exceptional events

- Clean the prone, supine and upright stander BS in accordance with the instructions in the chapter „Cleaning".

We constantly develop new aids and improve existing products. We will be happy to receive your suggestions of any description.

Warranty and product liability

ATO FORM grants the required by law warranty of your country against defects in workmanship and materials.

The warranty would be adversely affected if the customer's responsibility of servicing and/or daily maintenance is not carried out according to the guidelines and intervals prescribed by the supplier and/ or stated in the manual.

For further information, we refer to the ATO FORM homepage/download www.ato-form.com.

The warranty can only be sustained if the ATO FORM product is in use in the same country where it was purchased and if the product can be identified by the serial number. The warranty does not cover accidental damage, including damage caused by misuse or neglect.

The warranty does not extend to non-durable parts, which are subject to normal wear and tear and need periodic replacement.

The warranty is null and void if non-original ATO FORM parts/accessories are used, or if the product is repaired or altered by anyone other than an authorized ATO FORM representative or by trained personnel officially recognized by ATO FORM for repair and maintenance of ATO FORM products.

ATO FORM reserves the right to inspect the product being claimed for and the relevant documentation before agreeing to the warranty claim and to decide upon whether to replace or repair the defective product. It is the customer's responsibility to return the item being claimed for under warranty to the address of purchase.

The warranty is given by ATO FORM or, subsequently, an ATO FORM dealer.

Purpose of use

The prone, supine and upright stander BS is only intended for indoor use.

It offers a variety of therapeutic applications such as, standing frame, prone board and supine board or as a drainage support.

The optional therapy table supports optimal head control training.

We wish you every success using the prone, supine and upright stander BS.

Position of CE-sign

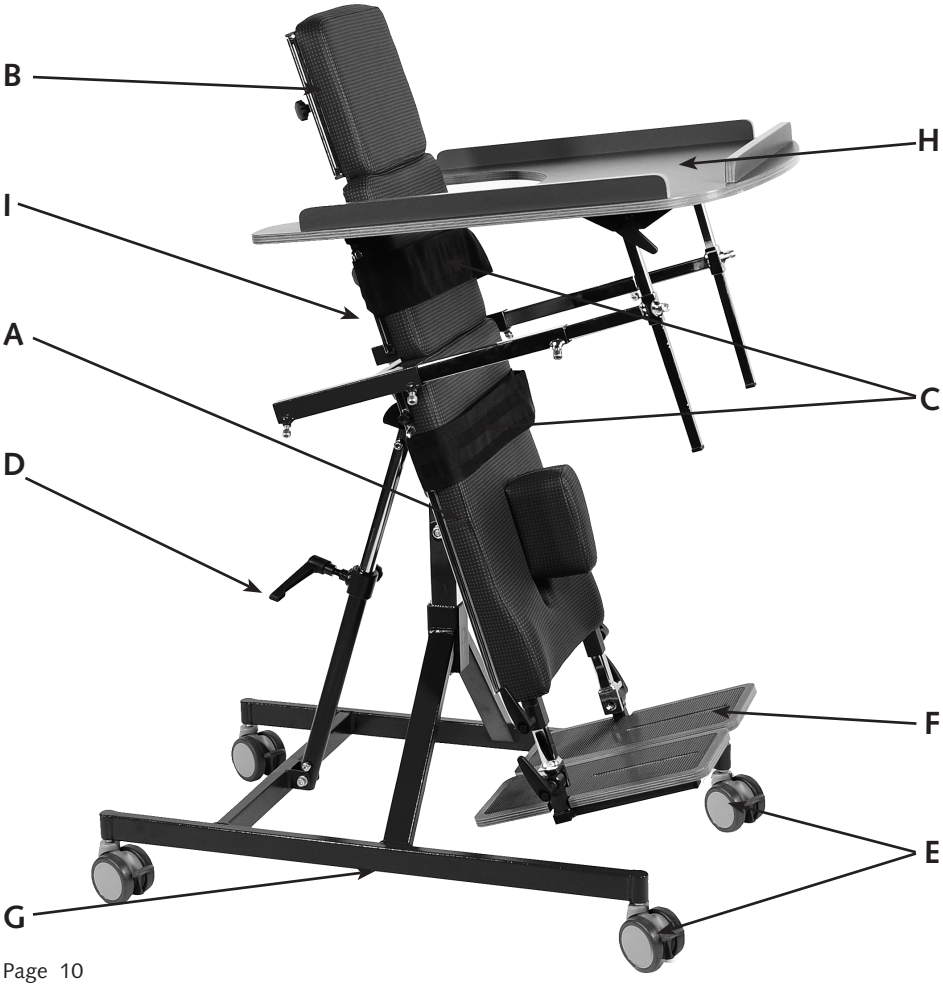
The CE-label is located on the frame on the underside of the cross bracing.

Indications:

- Cerebral palsy
- Muscular dystrophy
- and others

Equipment overview

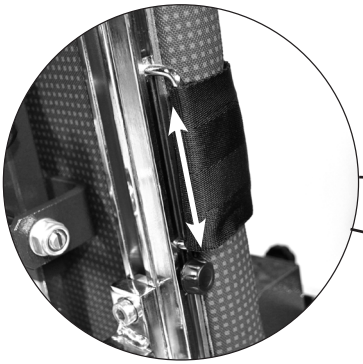
A Lower supporting cushion
B Upper supporting cushion
C Safety belts
D Manual tilt adjustment
E Swivel wheels (lockable)
F Foot plate partitioned
G Frame
H Therapy table
I Extension cushion (narrow / high)



Delivery

All BS prone, supine and upright standers are delivered in a robust carton and operational immediately after unpacking.

Belts and foot support



The belt is moved freely guided through the rail and fixed by a star grip.

The height and angle of the foot rest is adjusted using a clamping lever (as shown).

Assembly of heel support (Accessories)

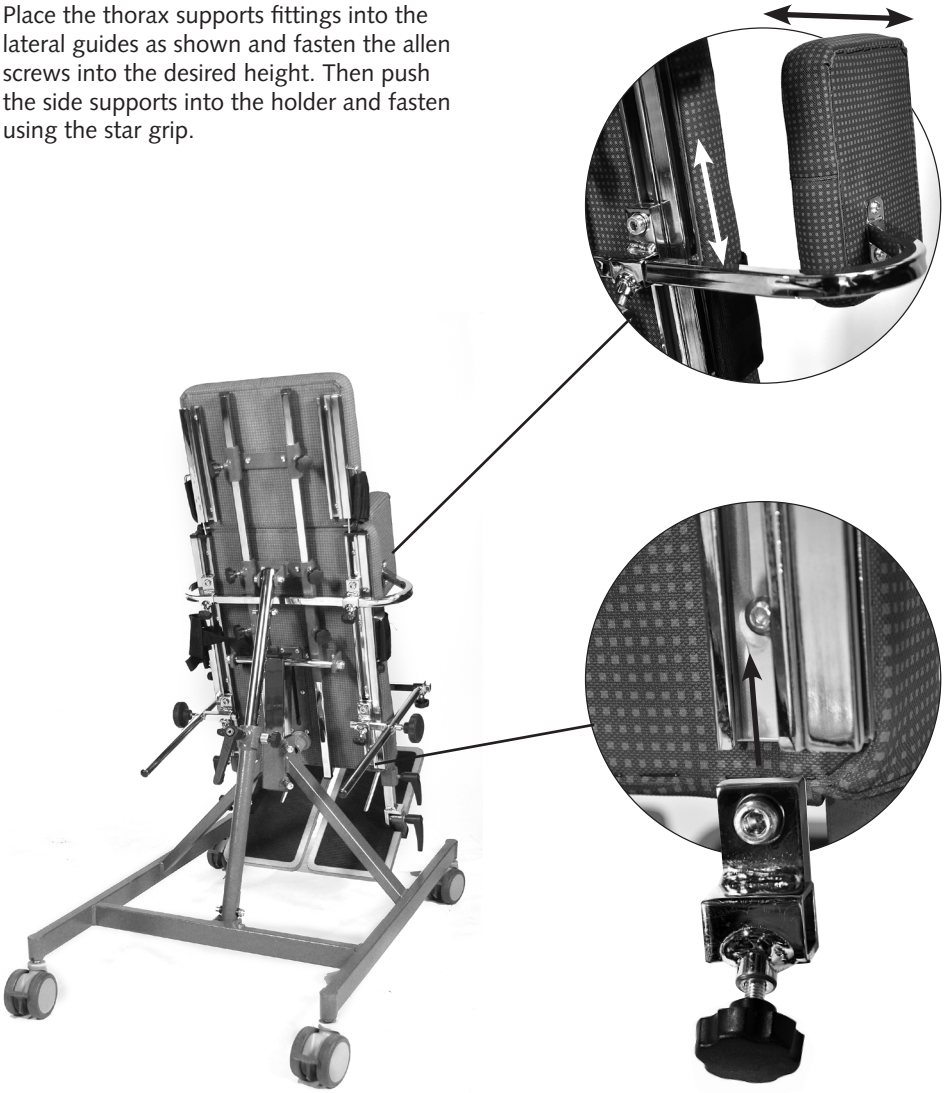
The heel support is guided through the slot from underneath the foot rest and screwed on.

Assembly of chin support (Accessories)

Mount the chin support onto the bars (as shown) and fasten screws carefully.

Assembly of thorax supports (Accessories)

Place the thorax supports fittings into the lateral guides as shown and fasten the allen screws into the desired height. Then push the side supports into the holder and fasten using the star grip.



Assembly of headrest with facial aperture (Accessories)

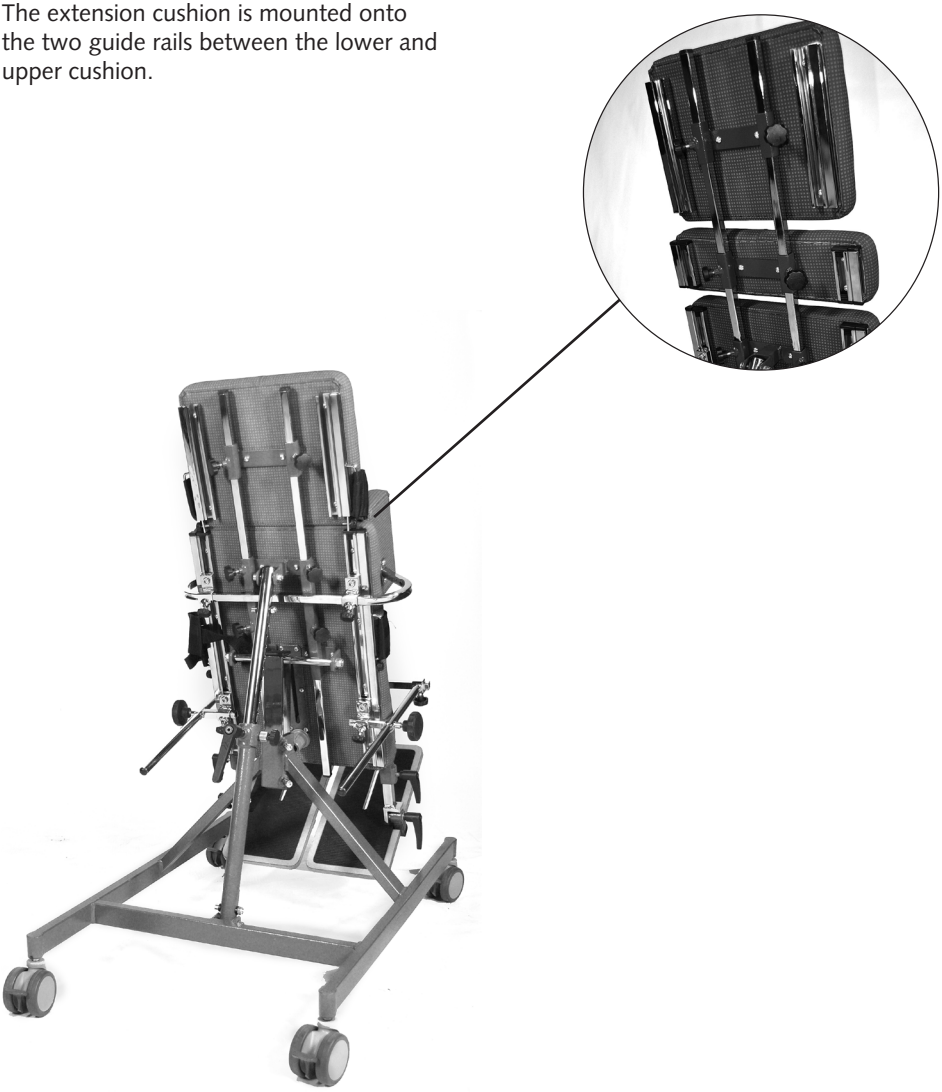
Push the long guide rails about 15 cm upwards and secure the headrest into the mid pipes, fasten by use of the clamping screws.

Assembly of abductor wedge (Accessories)

Push the abductor wedge through the slot centered in the lying surface. Fasten on the backside using the allen screw.

Assembly of extension cushion (Accessories)

The extension cushion is mounted onto the two guide rails between the lower and upper cushion.



Assembly of posterior support (Accessories)

The supporting adaptor for the posterior support is mounted - as shown - onto the long guide rails.

Lead the bars through the extension cushion and the posterior support. Fasten with the handle.

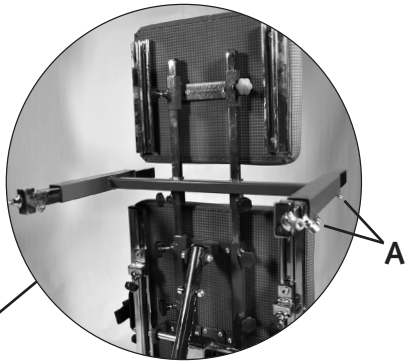
The posterior support can be adjusted (as shown). The posterior support can be swung aside for easy entering and exiting.

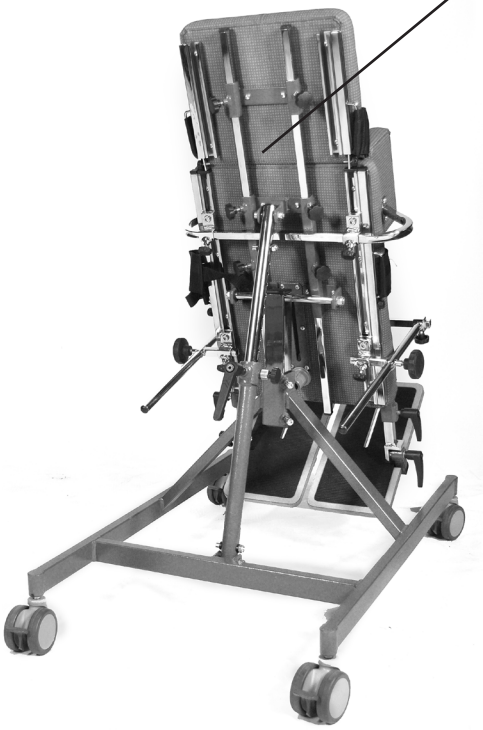
Therapy table for prone and supine position (Accessories)

Firstly loosen the clamping lever on the connection bar between the frame and board.

Hold on to the tilt table and pull out the security lock.

Release the locking pin when the stander is in the required position and ensure the locking pin clicks into place. Finally, fasten the clamping handle securely.





Knee supports for supine position (Accessories)

Place the fittings of the knee supports into the side guides and using the allen screws fasten in the desired height (A).

Then slide the knee supports into the fittings and fasten using the star grips (B).

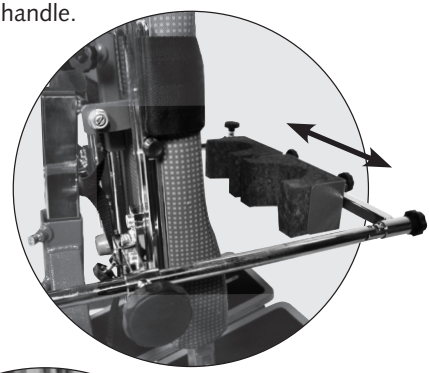
You can adjust the knee supports sideways on the rail as well.

Please adjust the knee supports to suit the individual needs of the user.

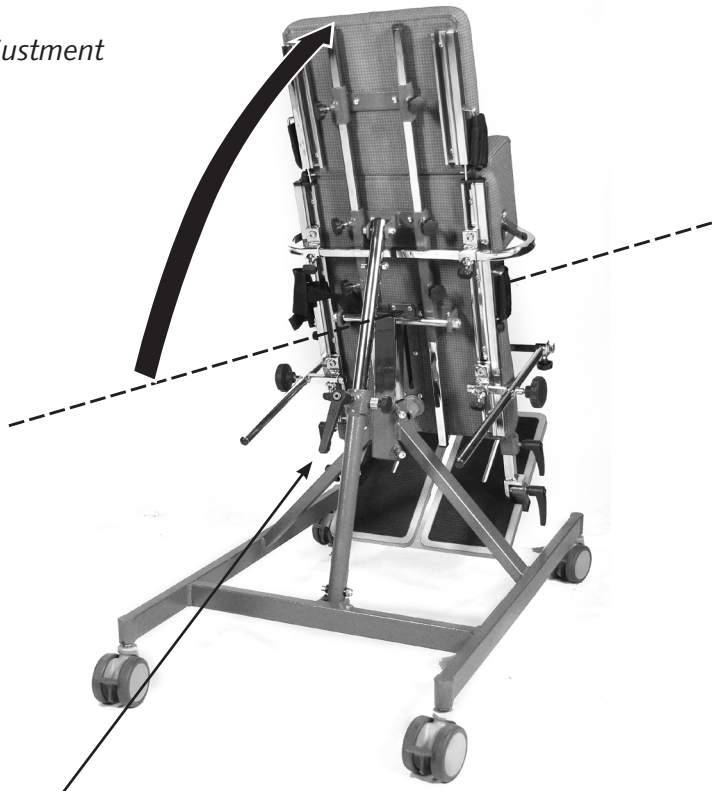
Place the fitting in the slot and fasten in the desired height.

Then place the bar in the fitting and fasten with the handle. Mount the knee support bars in the fittings and fasten.

The knee supports adjust sideways. Use the handle.



Manual tilt adjustment



Firstly loosen the clamping lever on the connection bar between the frame and board.

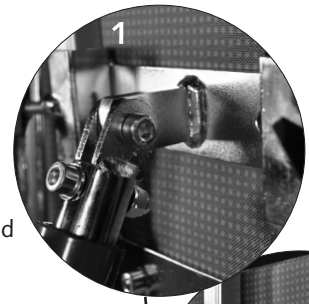
Hold on to the tilt table and pull out the security lock.

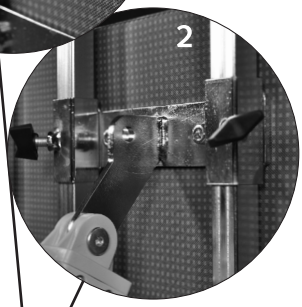
Release the locking pin when the stander is in the required position and ensure the locking pin clicks into place. Finally, fasten the clamping handle securely.

Electric tilt adjustment (Accessories)

Electric tilt adjustment is only available for BS sizes 2 & 3.

Mounting of the electro box only needs to be carried out, if the electric drive is ordered separately. When ordering a BS prone, supine and upright stander with electric tilt adjustment, it is delivered completely mounted.





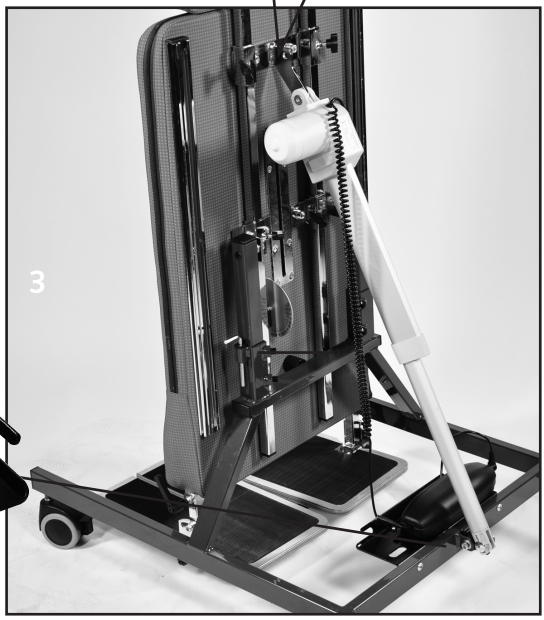
Firstly, dismount the connection bar for the manual tilt from the top of the stander and frame (Fig. 1), using an allen key and fork wrench.

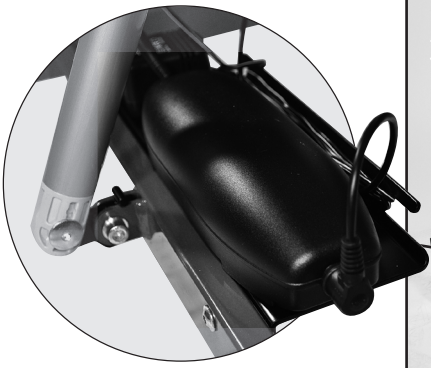
Then fitting for the manual tilt bar has to be exchanged with the new one according to Fig. 2.

Fasten the mounting plate for the electro box to the frame and fixate the electro box unit accordingly (Fig. 3).

Now you can mount the drive unit to the frame and board (Fig. 4 and 5). Hereby it is necessary to place the black adapter between the frame and motor.

Finally, connect the cable of the drive unit and the remote control cable with the electro box (Fig. 3).





Types

BS-200-7550-5 **BS prone, supine and upright stander** size 2, frame blue

Accessories

Following accessories are available for the BS prone, supine and upright stander:

BSZ-201-5550-5 **Abductor wedge**
BSZ-212-7550-4 **Heel support** (pair) for prone position
BSZ-203-5550-5 **Thorax-/Pelvis support** (pair)
BSZ-205-5550-5 **Extension cushion type 3** narrow/high (27 cm/23 cm)
BSZ-206-5550-5 **Extension cushion type 4** wide/low (36 cm/11 cm)
BSZ-207-5550-5 **Chin support**
BSZ-208-5550-5 **Head support with facial aperture**
BSZ-210-5550-5 **Posterior support**
BSZ-213-0550-4 **Knee support** for supine position
BSZ-226-0550-4 **Therapy table** for prone and supine position
BSZ-220-0550 **Tilt adjustment** with foot control
BSZ-214-0550-1 **Foot plate** (pair)
BSZ-215-0550-OK **Electric motor** additional component

Types

BS-300-9550-5 **BS prone, supine and upright stander** size 3, frame green

Accessories

Following accessories are available for the BS prone, supine and upright stander:

BSZ-301-5550-5	**Abductor wedge**
BSZ-302-7550-4	**Heel support** (pair) for prone position
BSZ-303-5550-5	**Thorax-/Pelvis support** (pair)
BSZ-305-5550-5	**Extension cushion type 5** narrow/high (28 cm/23 cm)
BSZ-306-5550-5	**Extension cushion type 6** wide/low (46 cm/17 cm)
BSZ-307-5550-5	**Chin support**
BSZ-308-5550-5	**Head support with facial aperture**
BSZ-310-5550-5	**Posterior support**
BSZ-313-0550-4	**Knee support** for supine position
BSZ-316-0550-4	**Therapy table** for prone and supine position
BSZ-320-0550	**Tilt adjustment** with foot control
BSZ-314-0550-1	**Foot plate** (pair)
BSZ-315-0550-OK	**Electric motor** additional component

Further information regarding the accessories can be found on our homepage.

Technical details

prone, supine and upright stander BS	Size 2	Size 3
Armpit height:	83 bis 121 cm	115 bis 153 cm
Overall width:	59 cm	63 cm
Overall length:	85 cm	111 cm
Overall height, basic model*	max. 100 cm	max. 135 cm
Overall height, including all accessories*	max. 140 cm	max. 195 cm
Overall height (horizontal):	64 cm	72 cm
Access height	10 bis 15 cm	10 bis 15 cm
Support pad – large (width x height):	36 x 50 cm	47 x 81 cm
Support pad – small (width x height):	32 x 26 cm	36 x 36 cm
Tilt:	-5 bis 90°	-5 bis 90°
Loading capacity:	70 kg	100 kg
Overall weight:	21 kg	33 kg

*Overall height, including all accessories (foot plate up to upper edge of supporting surface)

Technical changes reserved

Cleaning / Maintenance

Leftovers, dirt and dust are always to be removed. Moving parts operate better, if you apply one drop of acid-free sewing machine oil after cleaning. Belts are best cleaned using water and a mild detergent. The upholstery is made of imitation leather and is washable. When using any cleaning agent please follow instructions of the manufacturer!

For the protection of the warranty, it is especially important, that BS prone, supine and upright stander is serviced regularly once a year from the date of purchase. Please request the relevant maintenance checklist.

Warning
Do not use strong solvents, which could damage the surface of the device. The use of a high-pressure cleaner is not recommended!

Re-use

The product BS was designed so it could be reused after implementation of various measures.

Following measures should be followed:

- Thorough cleaning and disinfecting using appropriate cleaning agents.
- Maintenance, following the maintenance schedule of the manufacturer or authorized specialist dealer.
- Preparing accompanying documents and release for re-use.

Spare Parts

Only original accessories and original spare parts may be used. Non-compliance with these instructions and repairs carried out or modifications made to the prone, supine and upright stander or its parts by unauthorized persons, voids any warranties.

In these cases, any product liability granted by the manufacturer (**ATO FORM GmbH, Zur Lauterhecke 34, D-63877 Sailauf**) voids in advance.

For all questions about spare parts and accessories contact your specialist dealer or the ATO FORM-Service 0049 6093-944-0.

Storage

Keep these operating manual in a safe place after reading, so that you can refer to them at a later date.

In environmental protection matters:

All packaging parts are re-useable. The cardboard packaging is to be recycled as waste paper. We therefore use paper as filler material. Possible used plastic film of the packaging are made out of PE and are therefore low in pollutant and can either be recycled or burnt.

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Selection from our programme:

- Walking aids
- Gait trainer
- Standing aids
- Seating aids
- Hoists
- Body Protection
- Customized solutions

Thank you for your interest in our products.
For questions please contact ATO FORM GmbH
or your specialist dealer.

Your ATO FORM Team

Your specialist dealer

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